

### **Amendments to the Claims:**

*This listing of claims will replace all prior versions, and listings, of claims in the application:*

1. (previously presented) A glass matrix composition for a high operating temperature sealed assembly in ceramic electrolyte electrochemical conversion devices, consisting essentially by mol percent of:

56 < SiO<sub>2</sub> < 75;

11 < BaO < 30; and

2 < MgO < 14, said composition having the characteristics of being chemically resistant to oxidizing and reducing conditions encountered in sealing solid oxide fuel cells.

2. (currently amended) The A glass matrix composition for a high operating temperature sealed assembly in ceramic electrolyte electrochemical conversion devices, consisting essentially by mol percent of:

60 < SiO<sub>2</sub> < 75;

15 < BaO < 20; and

7.5 < MgO < 12.5.

3. (previously presented) A glass matrix-ceramic particulate composite consisting essentially by mol percent overall of about:

55 < SiO<sub>2</sub> < 65;

5 < BaO < 15;

25 < MgO < 35; and

a forsterite phase consisting of Mg<sub>2</sub>SiO<sub>4</sub>.

4. (previously presented) The glass matrix-ceramic particulate composite of claim 3, consisting essentially by mol percent overall of about:

57 < SiO<sub>2</sub> < 63;

$7 < \text{BaO} < 13$ ;  
 $27 < \text{MgO} < 33$ ; and  
a forsterite phase consisting of  $\text{Mg}_2\text{SiO}_4$ .

5. (cancelled)

6. (previously presented) The glass matrix-ceramic particulate composite of claim 3, consisting essentially by mol percent overall of:

$55 < \text{SiO}_2 < 65$ ;  
 $5 < (\text{BaO} + \text{SrO}) < 15$ ; and  
 $25 < \text{MgO} < 35$ .

7-20. (cancelled)